



NITFS

Compliance Registration



Product: Dissemination Element (DE) Version 4.2.1 Build 623 (ERS 00)

Date: March 17 2005

Sponsor: National Geospatial-Intelligence Agency (NGA)

Expiration: March 16 2007

Developer: Lockheed Martin Management and Data Systems

Registration #: 134

- ☐ Initial Registration
☒ Supplemental/Update **#3**
☐ Derived from Reg. #

System
N-0105/98, §4.1.1

NITFS Features Implemented:

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Product
N-0105/98, §4.1.2

Component
N-0105/98, §4.1.3

- Format**
☐ NITF
☐ V2.1
☒ V2.0
☐ V1.1
NSIF
☐ V1.0

- Image Segment Types**
☒ MONO
☐ RGB
☐ RGB/LUT
☐ YCbCr
☐ MULTI
☐ NODISPLAY
☐ POLAR

- Data Extension Segments**
☐ TRE_OVERFLOW
☐ STREAMING_FILE_HEADER
☐ Controlled Extensions **
☐ Registered Extensions **

- Tagged Record Extensions**
☒ CAE - PIAPRC
☒ National SDE - ALL
☐

Configurations Tested:

- Sun Client - E-450- Sun Solaris 2.6 [CLEVELs 1-6]
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits
- Sun Server - E6000 - Sun Solaris 8 [CLEVELs 4-6]
Image Formats: Full, IMP, RRDS, 11/16 Bit

- ** NITF 2.0 feature
* NITF 2.1 feature

- Pixel Value Types**
☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

- Annotation Segment Types**
☐ Bit Mapped **
☐ CCM, 2301
☐ CCM, 2301A
☐ Labels **

- Text Segments**
☐ STA
☐ TT1
☐ U8S
☐ MTF

- Image Compression**
☒ Not Compressed
☐ JPEG Lossy, 8-bit
☐ JPEG Lossy, 12-bit
☐ JPEG Downsample
☐ JPEG Lossless
☐ JPEG 2000
☐ Bi-Level
☐ Vector Quantization
☐ Multispectral JPEG, Individual Band

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

- Legend**
Interpret
Generate
☒ Fully implemented
☐ Partially implemented
☐ Not implemented

EDWARD E. BOYLES, Division Chief
Joint Interoperability Test Command
Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
product for the intended use. Optional NITFS features may not be implemented.